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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/605,541

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Yuh-Shyang Wu

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NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION

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EXAMINER

BECK, ALEXANDER S

ART UNIT

PAPER NUMBER

2629

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/605,541	Applicant(s) WU ET AL.
	Examiner Alexander S. Beck	Art Unit 2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. The final claimed limitation, presumed to be Claim 13, has not been properly numbered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1,6-8 and 13 are rejected under 35 U.S.C. 102(e) as being anticipated by *Adler* (U.S. Patent No. 6,791,528 B2, hereinafter ADLER).**

As to independent **Claim 1**, ADLER teaches/suggests a display device in **FIG. 3B** comprising: a display (**61a**); and a display base (**61b**) comprising: a housing; and a luminous module (**64a,64b,64d**) installed inside the housing for emitting light (ADLER: column 3, line 60 – column 4, line 10).

As to **Claim 6**, ADLER teaches/suggests wherein the luminous module comprises a plurality of light-emitting diodes (ADLER: column 3, lines 63-65).

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As to **Claim 7**, ADLER teaches/suggests wherein the housing of the display base is made of transparent material (ADLER: column 3, line 66 – column 4, line 8).

As to **Claim 8**, it is inherently suggested in the teachings of ADLER that the housing of the display base is made of wear-resisting material since it is designed to be handled by a person and for providing protection of all electrical components within the housing.

As to **Claim 13**, ADLER teaches/suggests wherein the display base further comprises a power module (68a,68b,68d) for supplying the electric power for the luminous module (ADLER: column 3, lines 60-63).

4. Claims 1-3 and 6-10 are rejected under 35 U.S.C. 102(e) as being anticipated by *Kerr* (U.S. Publication No. 2002/0190975 A1, hereinafter KERR).

As to independent **Claim 1**, KERR teaches/suggests a display device (100,150) in **FIGS. 5,7** comprising: a display (102,104,106,108,110,112); and a display base comprising: a housing (120); and a luminous module (114) installed inside the housing for emitting light (KERR: pages 5-7, paragraphs [0066,0067,0080]).

As to **Claim 2**, KERR teaches/suggests in **FIGS. 5,7** wherein the display comprises a first electric connecting port and the display base further comprises a second electric connecting port for connecting to the first electric connecting port (connecting ports inherently required in the teachings of KERR for transmitting signals from elements 102,104,106,108,110,112 to light source 114).

Moreover, KERR teaches/suggests wherein the internal components of the display section may include a power supply (KERR: page 8, paragraph [0081]). It is therefore suggested that the luminous module (114) of the display base receives all processing related signals (e.g., control and power) from the various internal components of the display section (e.g., 102,104,106,108,110,112 and power supply).

As to **Claim 3**, KERR teaches/suggests wherein the display further comprises a light control module (112) for controlling the energy of light emitted by the luminous module (KERR: page 5, paragraph [0063] – page 6, paragraph [0069]).

As to **Claim 6**, KERR teaches/suggests wherein the luminous module comprises a plurality of light-emitting diodes (KERR: page 5, paragraph [0066]).

As to **Claim 7**, KERR teaches/suggests wherein the housing of the display base is made of transparent material (KERR: page 6, paragraph [0067]).

As to **Claim 8**, KERR teaches/suggests wherein the housing of the display base is made of wear-resisting material (KERR: page 6, paragraph [0067]).

As to **Claim 9**, KERR teaches/suggests wherein a pattern is on the housing of the display base, and the pattern refracts light emitted by the luminous module (KERR: page 6, paragraphs [0068-0069]).

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As to **Claim 10**, KERR teaches/suggests wherein the pattern includes a mist surface for refracting light emitted by the luminous module (KERR: page 6, paragraphs [0068-0069]).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. **Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Adler* (U.S. Patent No. 6,791,528 B2, hereinafter ADLER).**

As to **Claims 4 and 5**, note the above discussion of ADLER.

ADLER does not disclose expressly wherein the display is a plasma television or a liquid crystal display television.

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The Examiner takes Official Notice that a flat panel display, as taught by ADLER, having either a plasma display or liquid crystal display technology with an integrated television tuner is old and well known in the art.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify the teachings of ADLER such that the display device was created with a plasma display or liquid crystal display technology and capable of displaying received television signals through the use of an integrated television tuner.

The suggestion/motivation for doing so would have been to improve display brightness and contrast with plasma and liquid crystal display technologies and permit the reception and displaying of over-the-air broadcast television signals.

7. Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Kerr* (U.S. Publication No. 2002/0190975 A1) in view of Owen et al. (U.S. Patent No. 2,623,315, hereinafter OWEN).

As to **Claims 11 and 12**, note the above discussion of KERR.

KERR does not disclose expressly wherein the pattern is made from a notch of the housing or wherein the pattern is made from a flange of the housing.

OWEN teaches/suggests the surface of an illuminated ornamental/decorative design having either raised rib portions (i.e., flange) or depressed groove portions (i.e., notch) through which light can be transmitted (OWEN: column 1, line 50 – column 2, line 2; column 5, lines 44-52).

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify the teachings of KERR such that the illuminated ornamental/decorative

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design surface (e.g., housing) comprised either raised rib portions (i.e., flange) or depressed groove portions (i.e., notch), as taught/suggested by OWEN.

The suggestion/motivation for doing so would have been to further enhance the appearance of the ornamental/decorative design and provide a luminous background having various degrees of light reflectivity (OWEN: column 5, lines 44-52).

Conclusion

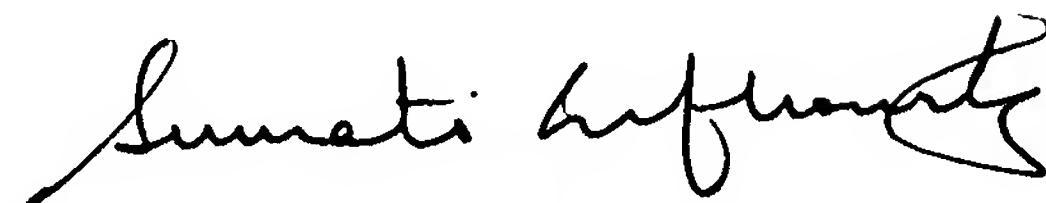
8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: *Shelton* (U.S. Patent No. 5,536,558)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Alexander S. Beck** whose telephone number is **(571) 272-7765**. The examiner can normally be reached on M-F, 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Sumati Lefkowitz** can be reached on **(571) 272-3638**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

asb
4/17/06



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